

## Embryonic Stem Cell Serum Replacement

### *Abstract*

The present invention provides a serum-free supplement which supports the growth of embryonic stem cells in culture. Also provided are a medium comprising a basal medium supplemented with the serum-free supplement of the present invention. The present invention also provides methods for culturing and isolating embryonic stems cells, methods for producing a transgenic animal, and methods for expressing recombinant protein in embryonic stem cells and transgenic animals.

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